Cheatography

C++ references and pointers in function calls Cheat Sheet
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Regular variable

```cpp
// variable definition
int count;
count = 10;
// function definition
void example( int i) {
    cout << i;
    i = 30;
}
// function call
int main() {
    example(count);
    cout << count;
    return 0;
}
// terminal output
10
10
```

Reference

```cpp
// variable definition
int count;
count = 10;
// function definition
void example( int& i) {
    cout << i;
    i = 30;
}
// function call
int main() {
    example(count);
    cout << count;
    return 0;
}
// terminal output
10
30
```

Pointer

```cpp
// variable definition
int count;
int* pCount;
count = 10;
pCount = &count;
// function definition
void example( int* i) {
    cout << *i;
    *i = 30;
}
// function call
int main() {
    example(count);
    cout << count;
    return 0;
}
// terminal output
10
30
```